

**ABSTRACT OF THE DISCLOSURE**

The invention provides an information recording medium having large capacity and capable of read/write operation in high speed such as an optical disc. The recording medium includes audio stream prepared for after-recording data, and a audio attribute information having a bit rate information to the recorded audio stream as a management information. A recorder according to the invention has a check unit for checking in advance possibility of after-recording operation of the recorder to the audio stream to be after-recorded with reference to the bit rate information of the audio attribute information.